KABALE UNIVERSITY

MASTER OF SCIENCE IN ENVIRONMENT AND NATURAL RESOURCES (MENR)

Programme Description

In terms of policy context, this program is structured to meet the basic requirements that fit into Sustainable Development Goals (SDGs), African Union Vision 2063, Uganda Vison 2040, Uganda national development plan. According to UN Sustainable Development Goals (SDG), the Goals and targets will stimulate action over the next 15 years in areas of critical importance for humanity and the planet. It states, "We are determined to end poverty and hunger, in all their forms and dimensions, and to ensure that all human beings can fulfil their potential in dignity and equality and in a healthy environment and determined to protect the planet from degradation, including through sustainable consumption and production, sustainably managing its natural resources and taking urgent action on climate change, so that it can support the need of the present and future generations" Goal 15 is to protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.

The Msc. ENR programme is to produce mid-career level scientists to meet the immediate demand for environment and resource management specialists. This will be fulfilled through working closely with rural farmers, research and educational programmes that link advances in fundamental and applied biological sciences to indigenous and contemporary development issues.

The goal of this programme is to establish a new training programme of management in the environment and natural resources, that will use an integrated, multidisciplinary and participatory tools and methodologies to produce quality mid-career level training to scientists to enable them lead efforts to increase the productivity of rural resources, biodiversity, reduce poverty and hunger and combat climate change. This will be achieved through a joint effort and interaction of technical expertise in rural resource management and planning, rural farming communities and national and district planning authorities. Collaborative arrangements with various universities, UN agencies, and research institutions will be made in order to increase the exchange of ideas and adaptive techniques and methodologies.

The programme objectives are to produce graduates that will be able to:

i. Apply theoretical knowledge in natural resources and environment to promote sustainable production.
ii. Utilize their skills to analyse relationships between agricultural production, natural resource depletion, climate change, pollution and land degradation and develop innovative methods and mitigate their effects.
iii. Promote professional development through multidisciplinary approaches to solve challenges in environment and natural resources.

Overview

The programme duration is 24 months consisting of four semesters and two field attachment terms. Each semester is 17 weeks of which 15 weeks are for imparting knowledge and skills and 2 weeks for University examinations. The first year consists of two semesters that will cater for class work and fieldwork. During the first two semesters a student will undertake at least three core courses. Two other courses will be taken that include one course relevant to the stream of specialization and another elective course relevant to his field of study making a total of at least five courses. The second-year study will cater for the remaining part of coursework and research. This programme is taught through a blended mode of learning (its taught through both online and face to face classes).

Entry Requirements

The MENR program is a multi-disciplinary program that will admit students with a background in biological science, Agriculture, physical sciences, environment, and natural sciences. For entry into the master‘s programme, applicants should possess:

a) Atleast a second-class degree in Geography, Biology, Agriculture, Land use, Environmental Sciences, Natural Sciences, Environmental Health, Forestry, Engineering, and Architecture.
b) Any other discipline deemed relevant by Kabale University in accordance with NCHE regulations.

Fees Structure

Use the current fees structure

Application and Selection

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Course Details

To cater for the program’s multi-disciplinary approach, it will comprise of three areas of specializations:
a) Environmental Management
b) Natural Resources Development
c) Wildlife Conservation

The number of credits for graduation will be 67, of these, 62 will be for coursework and 5 will be for the dissertation. Of the coursework credits, a total of 44 will be from common core courses designed for all specializations, 12 credits from core courses for each specialization and 6 credits selected from the list of electives as per the Table below;

FIRST YEAR – SEMESTER ONE					
CODE	**COURSE NAME**	**LH**	**PH**	**CH**	**CU**
Common Core Courses					
ME6101	Earth Systems Science	45	30	60	4
ME6102	Applied Meteorology and Climatology	45	30	60	4
ME6103	Applied Statistics	45	30	60	4
ME6104	Computer Application For Research	45	30	60	4
Core for Stream A (Environmental Management)					
ME6105	Land Degradation Assessment and Restoration	45	30	60	4
Core for Stream B (Natural Resources Development)					
ME6106	Economics of Natural Resource Management	45	30	60	4
Core for Stream C (Wildlife Conservation)					
ME6107	Management of Protected Areas and Biodiversity	45	30	60	4
Elective Courses					
ME6108	Integrated Pest Management	30	30	45	3
ME6109	Natural Resource Extension and Communication	30	30	45	3
ME6110	Climate Change and Environment	30	30	45	3
Sub-total Credit Units					**23**
FIRST YEAR – SEMESTER TWO					
CODE	**COURSE NAME**	**LH**	**PH**	**CH**	**CU**
Common Core Courses					
ME6201	East African Environment and Natural Resources	45	30	60	4
ME6202	Research Methods	45	30	60	4
ME6203	Environmental Law and Policy	45	30	60	4
ME6204	Scholarly Writing and Publication Skills	45	30	60	4
Core for Stream A (Environmental Management)					
ME6205	Environmental Health Management	45	30	60	4
Core for Stream B (Natural Resources Development)					
ME6206	Integrated Water Resources Management	45	30	60	4
Core for Stream C (Wildlife Conservation)					
ME6207	Rangeland and Forest Ecology	45	30	60	4
Electives					
ME6208	Agroforestry and Land Management	30	30	45	3

ME6209	Rural Development	30	30	45	3
ME6210	Natural Resources Governance	30	30	45	3
Sub-total Credit Units					**23**
YEAR TWO – SEMESTER ONE					
Common Core Course					
ME 6301	Remote Sensing and GIS	45	30	60	4
ME 6302	Environmental Impact Assessment and Evaluation	45	30	60	4
ME 6303	Sustainable Waste Disposal Management	45	30	60	4
Core for Stream A (Environmental Management)					
ME6304	Disaster Preparedness and Management	45	30	60	4
Core for Stream B (Natural Resources Development)					
ME 6305	Population, Development and Environment	45	30	60	4
Core for Stream (Wildlife Conservation)					
ME6306	Wildlife Management and Conservation	45	30	60	4
Sub-total Credit Units					**16**
YEAR TWO SEMESTER TWO					
ME 6401	Dissertation				5
Total Credit Units					**67**

L = Lecture hours, CH = Contact Hours, FH = Field Hours, CU = Credit Units.

Career Opportunities……